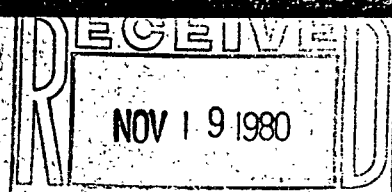


Please print or type in the unshaded areas only  
Fill-in areas are spaced for elite type, i.e., 12 characters/inch).

Form Approved OMB No. 158-R0175

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FORM 1		U.S. ENVIRONMENTAL PROTECTION AGENCY		I. EPA I.D. NUMBER	
GENERAL		GENERAL INFORMATION		F O K D O 0 7 2 2 1 8 3 1	
LABEL ITEMS		Consolidated Permits Program (Read the "General Instructions" before starting.)		GENERAL INSTRUCTIONS	
I. EPA I.D. NUMBER		OKD007221831		A preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.	
III. FACILITY NAME		FANSTEEL METALS			
V. FACILITY MAILING ADDRESS		#10 TANTALUM PL MUSKOGEE		OK 74401	
VI. FACILITY LOCATION		#10 TANTALUM PL MUSKOGEE		OK 74401	
II. POLLUTANT CHARACTERISTICS					
INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.					
SPECIFIC QUESTIONS		MARK 'X'		SPECIFIC QUESTIONS	
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		YES NO FORM ATTACHED		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		YES NO FORM ATTACHED		D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)		YES NO FORM ATTACHED		F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		YES NO FORM ATTACHED		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		YES NO FORM ATTACHED		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)	
III. NAME OF FACILITY					
IV. FACILITY CONTACT					
A. NAME & TITLE (last, first, & title)					
B. PHONE (area code & no.)					
V. FACILITY MAILING ADDRESS					
A. STREET OR P.O. BOX					
B. CITY OR TOWN					
C. STATE					
D. ZIP CODE					
VI. FACILITY LOCATION					
A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER					
B. COUNTY NAME					
C. CITY OR TOWN					
D. STATE					
E. ZIP CODE					
F. COUNTY CODE (if known)					



CONTINUED FROM THE FRONT

## VII. SIC CODES (4-digit, in order of priority)

A. FIRST				B. SECOND			
C	7	3	3	C	7		
15	16	17	18	15	16	17	18
(specify) Tantalum-Columbium Refining				(specify)			
C. THIRD				D. FOURTH			
C	7			C	7		
15	16	17	18	15	16	17	18
(specify)				(specify)			

## VIII. OPERATOR INFORMATION

A. NAME												B. Is the name listed in Item VIII-A also the owner?											
C	8	F	A	N	S	T	E	E	L	I	N	C.	<input type="checkbox"/> YES <input type="checkbox"/> NO										
15	16											55											
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)												D. PHONE (area code & no.)											
F = FEDERAL S = STATE P = PRIVATE				M = PUBLIC (other than federal or state) O = OTHER (specify)				P (specify)				C	A	3	1	2	6	8	9	4	9	0	0
												15	16	17	18	19	20	21	22	23	24	25	

E. STREET OR P.O. BOX												F. CITY OR TOWN				G. STATE		H. ZIP CODE		IX. INDIAN LAND	
NUMBER ONE TANTALUM PLACE												NORTH CHICAGO				IL		60064		Is the facility located on Indian lands? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

## X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)												D. PSD (Air Emissions from Proposed Sources)											
C	9	N	O	K	0	0	0	1	6	4	3	C	9	P									
15	16	17	18	19	20	21	22	23	24	25	26	15	16	17	18	19	20	21	22	23	24	25	
B. UIC (Underground Injection of Fluids)												E. OTHER (specify)											
C	9	U										C	9										
15	16	17	18	19	20	21	22	23	24	25	26	15	16	17	18	19	20	21	22	23	24	25	
(specify)												(specify)											
C. RCRA (Hazardous Wastes)												E. OTHER (specify)											
C	9	R										C	9										
15	16	17	18	19	20	21	22	23	24	25	26	15	16	17	18	19	20	21	22	23	24	25	
(specify)												(specify)											

## XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

F9: A  
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## XII. NATURE OF BUSINESS (provide a brief description)

Fansteel Metals-Muskogee is a basic producer for tantalum and columbium metals. The dissolution, extraction and purification of tantalum and columbium values from ores, slags and concentrates employs a liquid-liquid extraction system. The tantalum and columbium values are converted to salts or oxides which are subsequently reduced to metal. The metals are consolidated by powder metallurgy sintering techniques or by melting in electron beam furnace. Therefore, the plant's products are powders, ingots and sintered bars.

F9: A  
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## XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)				B. SIGNATURE				C. DATE SIGNED			
CONRAD L. BROWN Vice President & General Manager				<i>Conrad L Brown</i>				11-18-80			

## COMMENTS FOR OFFICIAL USE ONLY

COMMENTS FOR OFFICIAL USE ONLY											
C											
15	16	17	18	19	20	21	22	23	24	25	26